

Date: Sat, 26 Feb 94 04:30:46 PST  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #40  
To: Ham-Space

Ham-Space Digest                      Sat, 26 Feb 94                      Volume 94 : Issue    40

Today's Topics:

                                 RDSS and CDMA  
                                 Whereabouts of Instant Track "B" Patch

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 25 Feb 1994 14:41:11 GMT  
From: solaris.cc.vt.edu!sycamore!bergst@uunet.uu.net  
Subject: RDSS and CDMA  
To: ham-space@ucsd.edu

As part of a course I'm taking, we are studying a dedicated RDSS satellite system  
which  
provides RDSS services and two-way messaging. Being a controls student, some of  
the  
satellite communications issues are unfamiliar to me. Would you please answer the  
following questions?

The original system proposed to have 3 satellites each with 8 beam antennas to  
cover the continental US (CONUS?). The transmission method is to be CDMA. Now,  
the  
system is to use 4 single beam satellites to replace two of the 8 beam satellites.

It has been said that this configuration will reduce the number of RDSS systems  
which  
can occupy the allocated bandwidth. Why? (a 70% reduction according my  
information)

The smaller satellites will have have smaller operating powers. This is said to reduce the number of simultaneous users of the CDMA system. Again...why?

Thank you in advance for any help you provide,

Robert Bergstrom

P.S. The course is on financing and operation technology companies. Unfortunately, being a non-engineering course, the technical arguments are a bit sketchy, and I'm out of my element.

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Date: 25 Feb 1994 16:37:00 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
usenet.ins.cwru.edu!cleveland.Freenet.Edu!dg651@network.ucsd.edu  
Subject: Whereabouts of Instant Track "B" Patch  
To: ham-space@ucsd.edu

The following paragraph discussing the "B" patch for the InstantTrac program was found at the archive.afit.af.mil site. The patch is not in the pub/space directory but is available via the Celestial BBS (TS Kelso, SYSOP).

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>[1] ITPATCH2.ZIP      9111   5-May-1992  01:53
>   Patch #2 to InstantTrack 1.00. This program updates InstantTrac
>   or 1.00a to version 1.00b. This patch is mandatory for anybody
>   installed Patch #1, because it corrects a slightly dangerous bug
>   Patch #1. Like Patch #1, this patch solves the problem of different
>   NASA Keplerian elements file formats by permitting either format
>   read in by InstantTrack.
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Is there an ftp site with InstantTrac 1.00b version/patch?

Thanks for any leads.

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End of Ham-Space Digest V94 #40  
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